

### LA-UR-17-27950

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Title: Student Experience at LANL

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# Student Experience at LANL

Jackie Dorhout Group Meeting 9/6/2017



## Los Alamos National Lab

Loś Alamos



## **Los Alamos National Laboratory**



- Est. 1943
  - Manhattan Project
- 10,200 Staff Members\*
- 950 Students\*





\*As of 2016

UNCLASSIFIED







- Summer 2014, Summer 2015
- March 2016 September 2017

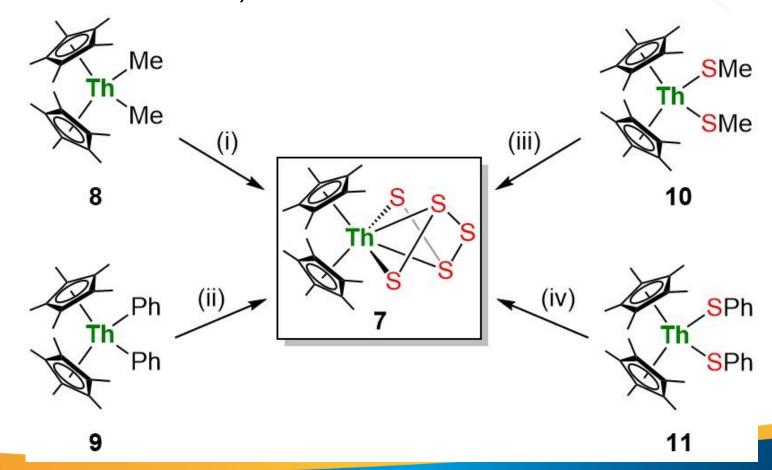
- Jaqueline L. Kiplinger
  - Chemistry division
  - Organoactinide synthetic chemistry
- Partly funded by Seaborg Institute







Thorium = hard donor; Sulfur = soft-donor

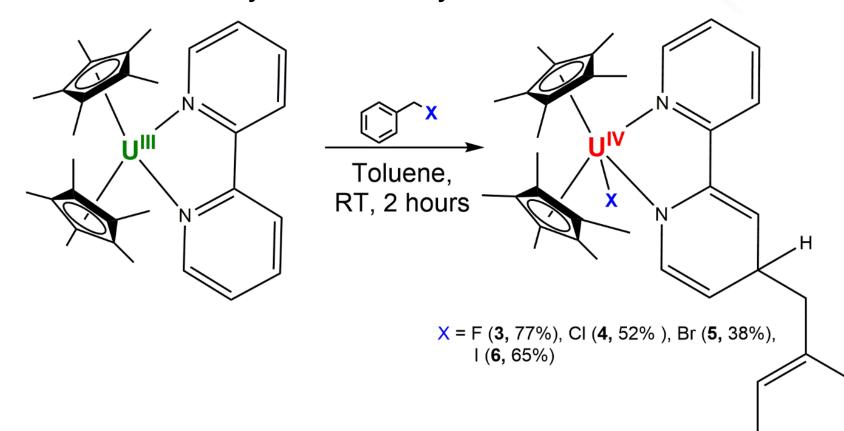








C-X activation of benzyl-halides by uranium





### High-nitrogen chemistry



- High-nitrogen ligands tend to be shock sensitive
- Goal is to create a safe way to add ligands to uranium

Notional Nuclear Security Administration





- LANL group
  - J. Kiplinger, K. Erickson, J. Pagano, R. Beattie, B. Kagan, S. Cope
  - K. Browne, M. Monreal, J. Veauthier, B. Scott
  - D. Morris, K. Abney, G. Stanley
- G.T. Seaborg Institute for Transactinium Science
- NTNFC Fellowship
  - This material is based upon work supported by the U.S. Department of Homeland Security under Grant Award Number, 2012-DN-130-NF0001-02.
    - The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Department of Homeland Security.

